

# SEQUENCE LISTING

<110> Abarzua, Patricio

<120> Process for Allele Discrimination Using Primer  
Extension

<130> 469290-55

<140>

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<150> U.S. 60/194843

<151> 2000-04-05

<160> 35

<170> PatentIn Ver. 2.1

<210> 1

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 1

ctcagtgtga ttccaccttc tcc

23

<210> 2

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 2

ctcagtgtga ttccaccttc acc

23

<210> 3

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 3

ctcagtgtga ttccaccttc tca

23

<210> 4

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 4

ctcagtgtga ttccaccttc aca

23

<210> 5

<211> 96

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 5

gacgagtcag aatcagagaa agacaatata gttcttggag aaggtggaat cacactgagc 60  
cctatagtga gtcgtattaa actaaagctg agacat 96

<210> 6

<211> 96

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 6

gacgagtcag aatcagagaa agacaatata gttctttgag aaggtggaat cacactgagc 60

cctatagtga gtcgtattaa actaaagctg agacat

96

<210> 7

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 7

taataggaca tctccaagtt tgcagagaaa gacaatatag ttcttggaga aggtggaatc 60  
aactgagtg gaggtcaacg 80

<210> 8

<211> 80

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 8

taataggaca tctccaagtt tgcagagaaa gacaatagag ttctttgaga aggtggaatc 60  
aactgagtg gaggtcaacg 80

<210> 9

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 9

caactgggtc ttgtacctgt caaactgctg ctgggtccaa atgagaatag aaatgatttt 60  
tgtcatct 68

<210> 10

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 10

caactgggttc ttgtacctgt caacactgcg ctggttccaa aagagaatag aaatgatttt 60  
tgtcatct 68

<210> 11

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 11

tttttttttt tttttacctc cactcagtgt gattccacct tctcc 45

<210> 12

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 12

tttttttttt tttttttttt tttttagtgt gattccacct tctcc 45

<210> 13

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 13

tttttttttt tttttttttt tttttttttt gattccacct tctcc 45

<210> 14  
<211> 45  
<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 14  
tttttttttt tttttttttt tttttttttt tttttcacct tctcc 45

<210> 15  
<211> 45  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 15  
tttttttttt tttttacctc cactcagtgt gattccacct tctca 45

<210> 16  
<211> 45  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 16  
tttttttttt tttttttttt ttttttagtgt gattccacct tctca 45

<210> 17  
<211> 45  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for

use in allele discrimination

<400> 17

tttttttttt tttttttttt tttttttttt gattccacct tctca

45

<210> 18

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 18

tttttttttt tttttttttt tttttttttt tttttcacct tctca

45

<210> 19

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 19

tttttttttt ttttttagaa gatgacaaaa atcatttcta ttctca

46

<210> 20

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 20

tttttttttt tttttttttt ttttttaaaa atcatttcta ttctca

46

<210> 21

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 21

tttttttttt tttttttttt tttttttttt ttcatttcta ttctca 46

<210> 22

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 22

tttttttttt tttttttttt tttttttttt tttttttcta ttctca 46

<210> 23

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 23

tttttttttt ttttttagaa gatgacaaaa atcatttcta ttctct 46

<210> 24

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 24

tttttttttt tttttttttt ttttttaaaa atcatttcta ttctct 46

<210> 25  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 25  
tttttttttt tttttttttt tttttttttt ttcatttcta ttctct 46

<210> 26  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 26  
tttttttttt tttttttttt tttttttttt tttttttcta ttctct 46

<210> 27  
<211> 73  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer for use  
in rolling circle amplification

<400> 27  
ggacatctcc aagtttgcag agaaagacaa tatagttctt ttttatgatc acagctgagg 60  
ataggacatg cga 73

<210> 28  
<211> 73  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer for use



in rolling circle amplification

<400> 28

aactggttct tgtacctgtc aacactgcgc tggttccaaa tttttcttgt acatgtctca 60  
gtagctcgtc agt 73

<210> 29

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Amplification  
target circle sequence for use in rolling circle  
amplification

<400> 29

cgcattgtct atcctcagct gtgatcatca gaactcacct gttagacgcc accagctcca 60  
actgtgaaga tcgcttat 78

<210> 30

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Amplification  
target circle sequence for use in rolling circle  
amplification

<400> 30

actgacgagc tactgagaca tgtacaatcg gacctgtgag gtactaccct aatcggacct 60  
gtgagggtact accctaactt 80

<210> 31

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Nucleotide  
sequence for use as fluorescence decorator.

<400> 31

tcagaactca cctgtag 18

<210> 32  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Nucleotide  
sequence for use as fluorescence decorator.

<400> 32  
actgtgaaga tcgcttat

18

<210> 33  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Nucleotide  
sequence for use as fluorescence decorator.

<400> 33  
tcggacctgt gaggtactac cctaa

25

<210> 34  
<211> 57  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer for use  
in rolling circle amplification

<400> 34  
gttcttgata taacagaaag ttttttttat gatcacagct gaggatagga catgcga

57

<210> 35  
<211> 56  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer for use

in rolling circle amplification

<400> 35

tttcttgata taacagaaaag ttttttttct tgtacatgtc tcagtagctc gtcagt 56